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November 18, 2003

CERTIFICATE OF MAILING 37 C.F.R 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: MS DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

November 18, 2003

Date

Michael C. Barrett

Michael C. Barrett

MS DD

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RE: *U.S. Patent Application No. 10/694,154 entitled "OCEAN SURFACE CURRENT MAPPING WITH BISTATIC HF RADAR" – Donald E. Barrick et al.*
Our reference: CODA:002USC1

Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, references A11, A13, and B1-B2, and copies of two foreign communications.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/CODA:002USC1.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,

Michael C. Barrett

Michael C. Barrett
Reg. No. 44,523

MCB/kmv
Encl.: as noted

25352502.1



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Donald E. Barrick *et al.*

Serial No.: 10/694,154

Filed: October 27, 2003

For: OCEAN SURFACE CURRENT MAPPING
WITH BISTATIC HF RADAR

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: CODA:002USC1

CERTIFICATE OF MAILING
37 C.F.R 1.8

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November 18, 2003

Date

Michael C. Barrett
Michael C. Barrett

INFORMATION DISCLOSURE STATEMENT

MS DD
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record.

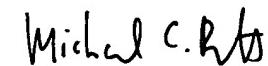
In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/CODA:002USC1.

This application is a continuation application of Serial No. 10/027,161, filed December 19, 2001 and is relied upon for an earlier filing date under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d) only copies of those documents not previously cited and submitted to the Patent and Trademark Office in prior application Serial No. 10/027,161 are enclosed for the convenience of the Examiner.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Michael C. Barrett
Reg. No. 44,523
Attorney for Applicants

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600 Congress Avenue, Suite 2400
Austin, Texas 78701
(512) 474-5201

Date: November 18, 2003

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

CODA:002USC1

10/694,154

Applicant

Donald E. Barrick *et al.*

Filing Date:

October 27, 2003

Group:

Unknown

U.S. Patent Documents

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Foreign Patent Documents

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Other Art

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	2003/0071751	04/2003	Barrick <i>et al.</i>	342	104	
	A2	2003/0025629	02/2003	Barrick <i>et al.</i>	342	59	
	A3	3,882,506	5/6/75	Mori <i>et al.</i>	343	728	2/20/74
	A4	4,172,255	10/23/79	Woldseth <i>et al.</i>	250	306	1/9/78
	A5	4,433,336	2/21/84	Carr	343	728	2/5/82
	A6	4,996,533	2/26/91	May <i>et al.</i>	342	108	9/15/89
	A7	5,023,618	6/11/91	Reits	342	128	10/11/90
	A8	5,252,980	10/12/93	Gray <i>et al.</i>	342	59	7/23/92
	A9	5,361,072	11/1/94	Barrick <i>et al.</i>	342	133	2/28/92
	A10	5,381,222	1/10/95	Palmer	356	4.01	5/24/93
	A11	5,434,570	07/18/95	Wurman	342	26	11/30/93
	A12	5,469,168	11/21/95	Anderson	342	26	5/15/92
	A13	5,469,169	11-21-95	Frush	342	26	11-30-93
	A14	5,471211	11/28/95	Randall <i>et al.</i>	342	26	11/30/93
	A15	5,534,868	7/9/96	Gjessing <i>et al.</i>	342	26	3/15/93
	A16	5,546,087	8/13/96	Martin Neira	342	120	10/25/94
	A17	5,990,834	11/23/99	Barrick <i>et al.</i>	342	418	8/29/97
	A18	6,130,644	10/10/00	Massonnet	342	453	1/27/98
	A19	6,137,433	10/24/00	Zavorotny <i>et al.</i>	342	26	3/18/99
	A20	6,232,922	5/15/01	McIntosh	342	453	5/12/99
	A21	6,264,143	7/24/01	Massonnet	244	158R	4/26/00
	A22	6,462,699	10/08/02	Wurman <i>et al.</i>	342	59	3/20/01

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EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.

CODA:002USC1

Serial No.

10/694,154

Applicant

Donald E. Barrick *et al.*

Filing Date:

October 27, 2003

Gr up:

Unknown

U.S. Patent Documents

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Foreign Patent Documents

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Other Art

*See Page 1***Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	EP 0 860 708 A2	8-26-98	Europe			
	B2	GB 2 350 003 A	11-15-00	U.K.			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Barrick and Evans, "Implementation of coastal current-mapping HF radar system," <i>Progress Report No. 1, NOAA Tech Reprot ERL 373-WPL 47</i> , 1976.
	C2	Barrick and Lipa, "Evolution of bearing determination in HF current mapping radars," <i>Oceanography</i> , 10(2):72-75, 1997.
	C3	Barrick, "Comment on 'Single station ocean current vector measurement: Application of the spaced antenna (SA) technique,'" <i>Geophys. Res. Letters</i> , 17:1637-1639, 1990.
	C4	Barrick, "FM/CW radar signals and digital processing," <i>NOAA Tech. Report ERL 283-WPL 26</i> , 1973.
	C5	Barrick, <i>et al.</i> , "Ocean surface currents mapped by radar," <i>Science</i> , 198:138-144, 1977.
	C6	Bjorkstadt and Roughgarden, "Larval transport and coastal upwelling: an application of HF radar in ecological research," <i>Oceanography</i> , 10(2):64-67, 1988.
	C7	Ereemev, <i>et al.</i> , "Reconstruction of oceanic flow characteristics from quasi-Lagrangian data. 1. Approach and mathematical methods," <i>J. Geophys. Res.</i> , 97(C6):9733-9742, 1992.
	C8	Frisch and Leise, "A note on using continuity to extend HF radar surface current measurements," <i>J. Geophys. Res.</i> , 86:11089-11090, 1981.
	C9	Lipa and Barrick, "Extraction of sea state from HF radar sea echo: Mathematical theory and modeling," <i>Radio Sci.</i> , 21:81-100, 1986.
	C10	Lipa and Barrick, "Least-squares methods for the extraction of surface currents from CODAR crossed-loop data: Application at ARSLOE," <i>IEEE J. Oceanic Engr.</i> , OE-8:226-253, 1983.
	C11	Lipphardt <i>et al.</i> , "Blending HF radar and model velocities in Monterey Bay through normal mode analysis," <i>J. Geophys. Res.</i> , 105(C2):3425-3450, 2000.

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Form PTO-1449 (modified)		Atty. Docket No. CODA:002USC1	Serial No. 10/694,154
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT <small>(Use several sheets if necessary)</small>			
U.S. Patent Documents <i>See Page 1</i>		Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C12	Zel'dovich <i>et al.</i> , "On the representation of three-dimensional vector fields with scalar potentials (in Russian)," <i>Dokl. Akad. Nauk. SSSR</i> , 284(1):103-106, 1985.

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